POE EMERGENCY LIGHT NODE ASSEMBLY

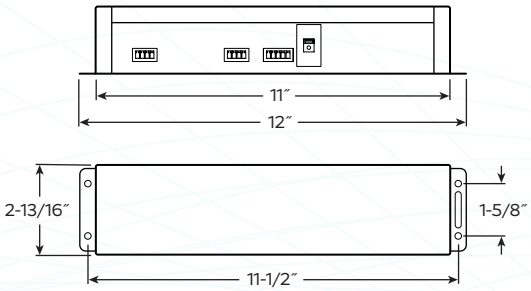
specifications for 1, 2, and 4 channels

PROJECT INFORMATION	
CATALOG #:	
TYPE:	
PROJECT:	
SPECIFIER:	

OUTPUT POWER

8W (constant over 90 minutes)
To calculate lumen output: 8W x Fixture Efficacy

- **EASY INSTALLATION & INTEGRATION**
  Nodes offer installers a quick and seamless connection using a low-voltage pluggable connector/terminal block combination to power and control constant-current LED lighting.
- **AUTOMATED REQUIRED MONTHLY & ANNUAL TESTING**
- **REAL TIME BATTERY HEALTH MONITORING**
- **REMOTE MANUAL TEST BUTTON CAPABILITY**
- **AUTO DISCOVERY**
- **AUTONOMOUS CONTROL**
- **RGB COLOR & TUNABLE WHITE LIGHT**
- **90 WATT CAPACITY**



CABLING AND CONNECTOR CONSIDERATIONS
available at **PLATFORMATICS.com**

FIXTURE APPLICATIONS ON EMERGENCY LIGHT NODE

	Static White Fixtures			Tunable White Fixtures			
	Emergency Lights	Normal Power Lights	Peripherals	Emergency Lights	Normal Power Lights	Peripherals	Exit Signs
1 Channel	1	0	1	n/a	n/a	n/a	Up to 4 exit signs or max 8W load
2 Channel	1	1	1	1	0	1	Not Recommended
4 Channel	1	3	1	1	1	1	Not Recommended

Peripherals: *Wall Stations, Sensors, Emergency Test Button*
1. *Additional fixtures may be added to emergency light node not to exceed maximum Network port wattage.*
2. *If multiple fixtures are installed on the ELN, All fixtures must be the same type and have the same current drive (mA).*

ordering information

PRODUCT	APPLICATION	CONNECTOR
POE-ELN2- PoE Emergency Light Node Assembly (Gen 2)	**1U-** 1 Channel **2U-** 2 Channel **4U-** 4 Channel	**ST** Screw Terminal

Sample: **POE-ELN2-2U-ST**

MADE IN USA

POE EMERGENCY LIGHT NODE ASSEMBLY

SPECIFICATIONS

Connect Software Requirement	Minimum V2.0
Ethernet Interface	10 BASE-T MDI RJ-45
Ethernet Interface Power Specification	Complies with power levels of IEEE 802.3af, 802.3at and 802.3bt, PoE, PoE+, UPoE or UPoE+ (Power over Ethernet)
Max Input/Output Voltage	60V DC/50V DC
Maximum Power Draw	Up to 90 Watts
Maximum Output Current	Channel and Model Dependent 100- 2000mA, DC 1 to 4 Channels Nominal Maximum Output Current as Supplied.
Peripheral Communication Bus	2-twisted pairs 18-24 AWG Stranded or Solid wire 1 Pair - 1 Mbps differential data pair - CAN 2.0 (ISO 11898-2) 1 Pair - +12 VDC @ 500mAmps Maximum
Maximum Aggregate Power Output	Up to 90 Watts (Including all 4 LED Channels and Peripheral Keypads & Sensors)

ENVIRONMENTAL SPECIFICATIONS

Safety Compliance	UL 916 & UL 2108 - E480040 UL 924 - E488449
ROHS	Compliant
Normal Operating Temperature and Altitude (Density Altitude)	-5°C to +45°C, up to 5000ft (1500m) -5°C to +40°C, up to 10,000ft (3000m) Min ambient temperature for cold start is 0°C
Relative Humidity	10% to 95%, noncondensing
Storage Environment	Temperature: -40°C to +70°C Altitude: 15,000ft
Location	For use in dry locations.

POWER CONSIDERATIONS FOR PLATFORMATICS-READY LIGHTING FIXTURES

CONSTANT-CURRENT CONTROL ELECTRICAL PARAMETERS

Fixture Type	Fixture Max Power Range (W)	Range of Max Current Setting per channel (mA)	Allowable Voltage Range (VDC)	Typical Connected Node
Single CCT or single color	37 - 72	250 - 1800	18 - 44	1 Channel
	25 - 36	185 - 1335	18 - 44	2 Channel
	1 - 24	121 - 871	18 - 44	4 Channel
2-channel tunable	37 - 72	185 - 1335	18 - 44	2 Channel
	1 - 36	121 - 871	18 - 44	4 Channel
3-channel tunable	1 - 72	121 - 871	18 - 44	4 Channel
4-channel tunable	1 - 72	121 - 871	18 - 44	4 Channel

FIXTURE POWER STOPS FOR OPTIMIZED COST

90W Ports (W)	60W Ports (W)
18	12
24	16
36	25
72	50

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